```
    # ---------------------------------------------------------------------
    # IEEE 802.3/Ethernet Version II Packet Definition
5   # ---------------------------------------------------------------------

    Protocol
    {
      Name "IEEE 802.3 (Ethernet V2)"
10    PhysicalLayer 1

      Header
      {
      DA "Dest Addr" 48 HardwareAddress Data
15    SA "Src  Addr" 48 HardwareAddress Data
      PT "Length/Type"  16 Hex ProtocolIndicator
      {
        "Internet Protocol"          #h0800
        "ARP Request"  #h0806
20      "ARP Response"  #h0835
        "AppleTalk Datagram"    #h809B
        "Novell IPX"          #h8137
        "IPS"          #h2007
      }
25    }
    }


    # ---------------------------------------------------------------------
    # ARP Request Packet Definition !!!
30  # ---------------------------------------------------------------------

    Protocol
    {
      Name "ARP Request"
35
      Header
      {
        HT "Hardware Type" 16 Hex Symbols
        {
40        "Ethernet" 1
        }
        PT "Protocol Type" 16 Hex Symbols
        {
          "Internet Protocol"          #h0800
45        "AppleTalk Datagram"    #h809B
```

```
        "Novell IPX"           #h8137
        "IPS"          #h2007
      }
      HL "HW Address Length" 8 Decimal Data
   5  PL "Protocol Addr Length" 8 Decimal Data
      OC "Operation Code" 16 Decimal Symbols
      {
        "ARP" 1
        "RARP" 2
  10  }
      SA "Sender HW Address" 48 HardwareAddress Data
      SP "Sender IP Address" 32 DotNotation Data
      TA "Target HW Address" 48 HardwareAddress Data
      TP "Target IP Address" 32 DotNotation Data
  15  }
    }


    # --------------------------------------------------------------------------
    # ARP Response Packet Definition !!!
  20  # --------------------------------------------------------------------------

    Protocol
    {
      Name "ARP Response"

  25
      Header
      {
      HT "Hardware Type" 16 Hex Symbols
      {
  30    "Ethernet" 1
      }
      PT "Protocol Type" 16 Hex Symbols
      {
        "Internet Protocol"        #h0800
  35    "AppleTalk Datagram"    #h809B
        "Novell IPX"          #h8137
        "IPS"          #h2007
      }
      HL "HW Address Length" 8 Decimal Data
  40  PL "Protocol Addr Length" 8 Decimal Data
      OC "Operation Code" 16 Decimal Symbols
      {
        "ARP" 1
        "RARP" 2
  45  }
      SA "Sender HW Address" 48 HardwareAddress Data
```

```
{
Name "Internet Protocol"

Header
{
VE  "Version"           4 Hex Data
IHL "Header Length"       4 Decimal Data
PR  "Precedence"        3 Hex Symbols
{
 "Routine"          0
 "Priority"         1
 "Immediate"         2
 "Flash"          3
 "Flash Override"      4
 "Internetwork Control" 6
 "Network Control"    7
}
DE  "Delay"           1 Binary Symbols
{
 "Normal" 0
 "Low"   1
}
TP  "Throughput"       1 Binary Symbols
{
 "Normal" 0
 "High"  1
}
RE  "Reliability"      1 Binary Symbols
{
 "Normal" 0
 "High"  1
}
CO  "Cost"           1 Binary Symbols
{
 "Normal" 0
 "Low"   1
}
MBZ "MBZ"            1 Binary Data
TL  "Total Length"      16 Decimal Data
ID  "Identification"    16 Hex Data
ZE  "Zero"           1 Binary Data
DF  "Do not fragment"    1 Binary Data
MF  "May Fragment"      1 Binary Data
FO  "Fragment Offset"    13 Decimal Data
TTL "Time To Live"       8 Decimal Data
PRO "Protocol"         8 Hex ProtocolIndicator
```

```
        {
          "Internet Cntrl Msg Protocol"    1
          "Transmission Control Protocol"  6
          "User Datagram Protocol"        17
        }
        HCS "Header Checksum" 16 Hex Data
        SA  "Src  Addr"       32 DotNotation Data
        DA  "Dest Addr"       32 DotNotation Data
      }
    }
```